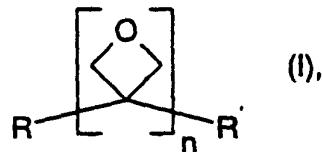


Claims

1. A curable composition comprising
 - a) at least one oxetane compound;
 - b) at least one polyfunctional cycloaliphatic epoxy compound;
 - c) at least one multifunctional hydroxy compound, and
 - d) at least one curing agent.

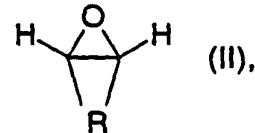
2. A curable composition according to claim 1 comprising

- a) at least one oxetane compound of the formula



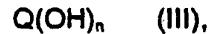
wherein R and R independently of one another represent aliphatic, cycloaliphatic or araliphatic groups and n represents an integer from one to four;

- b) at least one polyfunctional cycloaliphatic epoxy compound of the formula



wherein R is a straight chain C₂-C₆ alkylene group; and

- c) at least one multifunctional hydroxy compound



in which Q represents an aliphatic, cycloaliphatic or araliphatic group and n an integer from 1 up to 128; and

- d) at least one curing agent.

3. A curable composition according to claim 1 comprising

- a) at least one oxetane compound of the formula I selected from the group consisting of 3,3-[1,4- phenylene-bis(methyleneoxymethylene)]-bis(3-ethyloxetane), 3-methyl-3-oxethanemethanol and 3-ethyl-3-oxethanemethanol;
- b) at least one polyfunctional cycloaliphatic epoxy compound of the formula II selected from the group consisting of 7-oxabicyclo[4.1.0]hept-3-ylmethyl ester-7-oxabicyclo[4.1.0]heptane-3-carboxylic acid, 2,2-oxy-bis(6-oxabicyclo[3.1.0]hexane), bis(7-oxabicyclo[4.1.0]hept-3-yl)-methyl ester hexanedioic acid, 3,3-(dioxane-2,5-diyl)-bis(7-oxabicyclo[4.1.0]heptane) and 2,2-bis[(7-oxabicyclo[4.1.0]hept-3-ylcarbonyloxy)-methyl]-1,3-propanediyl ester-7-oxabicyclo[4.1.0]heptane-3-carboxylic acid;
- c) a multifunctional hydroxy compound selected from the group consisting of penterythritol ethoxylate, polyethylene glycol, polytetrahydrofuran, polycaprolactone diol or triol, tripropylene glycol, glycerol propoxylate and dendritic polyols; and
- d) at least one curing agent.

4. A curable composition according to claim 1 comprising

- a) 7-oxabicyclo[4.1.0]hept-3-ylmethyl ester-7-oxabicyclo[4.1.0]heptane-3-carboxylic acid;
- b) at least one polyfunctional cycloaliphatic epoxy compound of the formula II selected from the group consisting of 7-oxabicyclo[4.1.0]hept-3-ylmethyl ester-7-oxabicyclo[4.1.0]heptane-3-carboxylic acid and bis(7-oxabicyclo[4.1.0]hept-3-yl)-methyl ester hexanedioic acid;
- c) a multifunctional hydroxy compound selected from the group consisting of penterythritol ethoxylate, polyethylene glycol, polytetrahydrofuran, polycaprolactone diol or triol, tripropylene glycol, glycerol propoxylate and dendritic polyols; and
- d) at least one curing agent.

5. A process for preparing a curable composition, which comprises

- a) treating a composition comprising
 - a) at least one oxetane compound;

- b) at least one polyfunctional cycloaliphatic epoxy compound; and
- c) at least one multifunctional hydroxy compound; with

β) an ultraviolet (UV) curable curing agent.

6. Use of the curable composition according to claim 1 as adhesives, primers for adhesives, laminating and casting resins, moulding compositions, putties and sealing compounds, potting and insulation compounds, as coatings or stereolithographic type applications.